

**45-DAY EXPRESS TERMS  
FOR PROPOSED BUILDING STANDARDS  
OF THE  
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT  
REGARDING THE ADOPTION OF THE  
2019 CALIFORNIA BUILDING CODE (CBC)  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2  
(HCD 03/18)**

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The Department of Housing and Community Development (HCD) proposes to adopt the 2018 edition of the International Building Code (IBC) for codification and effectiveness into the 2019 edition of the California Building Code (CBC) as presented on the following pages, including any necessary amendments.

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**LEGEND FOR EXPRESS TERMS:**

1. Model Code language appears upright.
  2. Existing California amendments appear in *italics*.
  3. Amended model code or new California amendments appear *underlined and in italics*.
  4. Repealed model code language appears ~~upright and in strikeout~~.
  5. Repealed California amendments appear in ~~*italics and strikeout*~~.
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## **SUMMARY OF REGULATORY ACTION**

### **HCD PROPOSES TO:**

- Repeal the 2015 edition of the International Building Code (IBC)
- Repeal the 2016 edition of the California Building Code (CBC), including existing California amendments to the model code, that are no longer necessary
- Adopt sections from the 2018 IBC into the 2019 CBC **without amendments**
- Adopt sections from the 2018 IBC into the 2019 CBC **with existing amendments**
- Bring forward existing California amendments from the 2016 CBC for adoption into the 2019 CBC **without modifications**
- Bring forward existing California amendments from the 2016 CBC for adoption into the 2019 CBC **with nonsubstantive editorial modifications**
- Adopt sections from the 2018 CBC into the 2019 CBC **with new amendments that do not change the regulatory effect**
- Bring forward existing California amendments from the 2016 CBC for adoption into the 2019 CBC **with new modifications that do not change the regulatory effect**
- Adopt sections from the 2018 IBC into the 2019 CBC **with new amendments**
- Bring forward existing California amendments from the 2016 CBC for adoption into the 2019 CBC **with modifications**
- Adopt new amendments into the 2019 CBC
- Not adopt specified sections of the 2018 IBC

1. **HCD proposes to bring forward existing California amendments in Chapter 1, Division I, from the 2016 California Building Code for adoption into the 2019 California Building Code with modifications as follows:**

**CHAPTER 1  
SCOPE AND ADMINISTRATION**

**DIVISION I  
CALIFORNIA ADMINISTRATION**

**SECTION 1.1  
GENERAL**

**1.1.1 Title.** *These regulations shall be known as the California Building Code, may be cited as such and will be referred to herein as “this code.” The California Building Code is Part 2 of thirteen parts of the official compilation and publication of the adoption, amendment and repeal of building regulations to the California Code of Regulations, Title 24, also referred to as the California Building Standards Code. This part incorporates by adoption the ~~2015~~2018 International Building Code of the International Code Council with necessary California amendments.*

**1.1.2 Purpose.** *(No change to existing California amendment)*

**1.1.3 Scope.** *(No change to existing California amendment)*

**1.1.3.1 Nonstate-regulated buildings, structures, and applications.** *(No change to existing California amendment)*

**1.1.3.2 State-regulated buildings, structures, and applications.** *(No change to existing California amendment)*

**1.1.4 Appendices.** *(No change to existing California amendment)*

**1.1.5 Referenced codes.** *(No change to existing California amendment)*

**1.1.6 Nonbuilding standards, orders and regulations.** *(No change to existing California amendment)*

**1.1.7 Order of precedence and use.**

**1.1.7.1 Differences.** *(No change to existing California amendment)*

**1.1.7.2 Specific provisions.** *(No change to existing California amendment)*

**1.1.7.3 Conflicts.** *(No change to existing California amendment)*

**1.1.7.3.1 Detached one- and two-family dwellings.** Detached one- and two-family dwellings, ~~efficiency dwelling units~~, lodging houses, live/work units, townhouses not more than three stories above grade plane in height with a separate means of egress, and their accessory structures, may be designed and constructed in accordance with this code or the California Residential Code, but not both, unless the proposed structure(s) or element(s) exceed the design limitations established in the California Residential Code, and the code user is specifically directed by the California Residential Code to use this code.

**1.1.8 City, county, or city and county amendments, additions or deletions.** (No change to existing California amendment)

**1.1.8.1 Findings and filings.**

1-2. (No change to existing California amendment)

3. Findings prepared by fire protection districts shall be ratified by the local city, county, or city and county and filed with the California Department of Housing and Community Development, Division of Codes and Standards, P.O. Box 1407, Sacramento, CA 95812-1407 or 2020 W. El Camino Avenue, Suite 250 ~~200~~, Sacramento, CA 95833-1829.

**1.1.9 Effective date of this code.** Only those standards approved by the California Building Standards Commission that are effective at the time an application for building permit is submitted shall apply to the plans and specifications for, and to the construction performed under, that permit. For the effective dates of the provisions contained in this code, see the History Note page of this code.

**Exception: (HCD 1 & HCD 2) Plans approved by the Department of Housing and Community Development or a Department-approved design approval agency for factory built housing as defined by Health and Safety Code Section 19971. Approved plans, pursuant to the California Code of Regulations, Title 25, Division 1, Chapter 3, Subchapter 1, Article 3, Section 3048 remain valid for a period of 36 months from the date of plan approval.**

**1.1.10 Availability of codes.** (No change to existing California amendment)

**1.1.11 Format.** (No change to existing California amendment)

**1.1.12 Validity.** (No change to existing California amendment)

**SECTION 1.8  
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT**

**1.8.1 Purpose.** (No change to existing California amendment)

## **SECTION 1.8.2 AUTHORITY AND ABBREVIATIONS**

**1.8.2.1 General.** *(No change to existing California amendment)*

**1.8.2.1.1 Housing construction.** *(No change to existing California amendment)*

**1.8.2.1.2 Housing accessibility.** *(No change to existing California amendment)*

**1.8.2.1.3 Permanent buildings in mobilehome parks and special occupancy parks.** *(No change to existing California amendment)*

## **SECTION 1.8.3 LOCAL ENFORCING AGENCY**

**1.8.3.1 Duties and powers.** *The building department of every city, county, or city and county shall enforce all the provisions of law, this code, and the other rules and regulations promulgated by the Department of Housing and Community Development pertaining to the installation, erection, construction, reconstruction, movement, enlargement, conversion, alteration, repair, removal, demolition or arrangement of apartments, condominiums, hotels, motels, lodging houses and dwellings, including accessory buildings, facilities and uses thereto.*

*The provisions regulating the erection and construction of dwellings and appurtenant structures shall not apply to existing structures as to which construction is commenced or approved prior to the effective date of these regulations. Requirements relating to use, maintenance and occupancy shall apply to all dwellings and appurtenant structures approved for construction or constructed before or after the effective date of this code.*

*For additional information regarding the use and occupancy of existing buildings and appurtenant structures, see California Code of Regulations, Title 25, Division 1, Chapter 1, Subchapter 1, commencing with Article 1, Section 1.*

*For additional requirements regarding existing buildings and appurtenant structures, see the California Existing Building Code.*

**1.8.3.2 Laws, rules and regulations.** *(No change to existing California amendment)*

**1.8.3.2.1 State Housing Law.** *(No change to existing California amendment)*

**1.8.3.2.2 Mobilehome Parks Act.** *(No change to existing California amendment)*

**1.8.3.2.3 Special Occupancy Parks Act.** *(No change to existing California amendment)*

**1.8.3.2.4 Employee Housing Act.** *(No change to existing California amendment)*

**1.8.3.2.5 Factory-Built Housing Law.** (No change to existing California amendment)

#### **SECTION 1.8.4 PERMITS, FEES, APPLICATIONS AND INSPECTIONS**

**1.8.4.1 Permits.** (No change to existing California amendment)

**1.8.4.2 Fees.** (No change to existing California amendment)

**1.8.4.3 Plan review and time limitations.** (No change to existing California amendment)

**1.8.4.3.1 Retention of plans.** (No change to existing California amendment)

**1.8.4.4 Inspections.** Construction or work for which a permit is required shall be subject to inspection by the building official, and such construction or work shall remain accessible and exposed for inspection purposes until approved. Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this code or other regulations of the Department of Housing and Community Development. Required inspections are listed in Chapter 1, Division II, Scope and Administration, Sections 110.3.1 through 110.3.6, 110.3.8, 110.3.9 and 110.3.10 110.3.1, 110.3.2, 110.3.3, 110.3.4, 110.3.4.1, 110.3.5, 110.3.6, 110.3.7, 110.3.9, 110.3.10, 110.3.11, 110.3.11.1 and 110.3.11.2.

#### **SECTION 1.8.5 RIGHT OF ENTRY FOR ENFORCEMENT**

**1.8.5.1 General.** (No change to existing California amendment)

#### **SECTION 1.8.6 LOCAL MODIFICATION BY ORDINANCE OR REGULATION**

**1.8.6.1 General.** (No change to existing California amendment)

**1.8.6.2 Findings, filings and rejections of local modifications.** (No change to existing California amendment)

#### **SECTION 1.8.7 ALTERNATE MATERIALS, DESIGNS, TESTS AND METHODS OF CONSTRUCTION**

**1.8.7.1 General.** (No change to existing California amendment)

**1.8.7.2 Local building departments.** (No change to existing California amendment)

**1.8.7.2.1 Approval of alternates.** (No change to existing California amendment)

**1.8.7.3 Department of Housing and Community Development.** *(No change to existing California amendment)*

## **SECTION 1.8.8 APPEALS BOARD**

**1.8.8.1 General.** *(No change to existing California amendment)*

**1.8.8.2 Definitions.** *(No change to existing California amendment)*

**1.8.8.3 Appeals.** *(No change to existing California amendment)*

## **SECTION 1.8.9 UNSAFE BUILDINGS OR STRUCTURES**

**1.8.9.1 Authority to enforce.** *(No change to existing California amendment)*

**1.8.9.2 Actions and proceedings.** *(No change to existing California amendment)*

## **SECTION 1.8.10 OTHER BUILDING REGULATIONS**

**1.8.10.1 Existing structures.** *(No change to existing California amendment)*

**1.8.10.2 Moved structures.** *(No change to existing California amendment)*

### **NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**2 HCD proposes to adopt Chapter 1, Division II, Sections 105.2 (Building: 1 – 13 only), 107.1, 107.2.1, 107.2.3, 107.2.4, 107.2.5, 107.2.6 (formerly 107.2.5), 107.2.6.1 (formerly 107.2.5.1), 107.2.7 (formerly 107.2.6); 110.3.1, 110.3.2, 110.3.3, 110.3.4, 110.3.4.1, 110.3.5, 110.3.6, 110.3.7 (formerly 110.3.6), 110.3.9 (formerly 110.3.8), 110.3.10 (formerly 110.3.9), 110.3.11 (formerly 110.3.10), 110.3.11.1 (formerly 110.3.10.1), and 110.3.11.2 from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

**DIVISION II**  
**SCOPE AND ADMINISTRATION**

**SECTION 107**  
**SUBMITTAL DOCUMENTS**

~~**107.2.7 Exterior balconies and elevated walking surfaces. [HCD 1, HCD 2]** Where balconies or other elevated walking surfaces are exposed to water from direct or blowing rain, snow, or irrigation, and the structural framing is protected by an impervious moisture barrier, the construction documents shall include details for all elements of the impervious moisture barrier system. The construction documents shall include manufacturer's installation instructions.~~

**SECTION 110**  
**INSPECTIONS**

**110.3.4 Frame inspection.** (No change to model code text)

**110.3.4.1 (HCD 1) Moisture content verification.** (No change to existing California amendment)

~~**110.3.8.1 Weather-exposed balcony and walking surface waterproofing. [HCD 1, HCD 2]** Where balconies or other elevated walking surfaces are exposed to water from direct or blowing rain, snow or irrigation, and the structural framing is protected by an impervious moisture barrier, all elements of the impervious moisture barrier system shall not be concealed until inspected and approved.~~

~~**Exception:** Where special inspections are provided in accordance with Section 1705.1.1, Item 3.~~

**110.3.11 (Formerly 110.3.10) Final inspection.** (No change to model code text)

**110.3.11.1 (Formerly 110.3.10.1) Flood hazard documentation.** (No change to model code text)

~~**110.3.10 11.2 (HCD 1) Operation and maintenance manual.** At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency shall be placed in the building in accordance with the California Green Building Standards Code (CALGreen), Chapter 4, Division 4.4.~~



**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**3 HCD proposes to adopt Chapter 2 from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

**CHAPTER 2  
DEFINITIONS**

**SECTION 201  
GENERAL**

**201.3 Terms defined in other codes.** *(No change to existing California amendment)*

**SECTION 202  
DEFINITIONS**

**ACCESSIBILITY.** *(HCD 1-AC) (No change to existing California amendment)*

**ACCESSIBLE.** ~~A site, building, facility or portion thereof that complies with Chapter 11.~~

**ACCESSIBLE.** *(HCD 1-AC) (No change to existing California amendment)*

**ACCESSIBLE ROUTE.** ~~A continuous, unobstructed path that complies with Chapter 11.~~

**ACCESSIBLE ROUTE.** *(HCD 1-AC) (No change to existing California amendment)*

**ACCESSIBLE SPACE.** *(HCD 1-AC) (No change to existing California amendment)*

**ADAPTABLE DWELLING UNIT.** *(HCD 1-AC) (No change to existing California amendment)*

**APPROVED.** *(No change to existing California amendment)*

**APPROVED AGENCY.** *(No change to existing California amendment)*

**APPROVED LISTING AGENCY. (HCD 1 & HCD 2)** (No change to existing California amendment)

**APPROVED TESTING AGENCY. (HCD 1 & HCD 2)** (No change to existing California amendment)

**ASSISTIVE DEVICE. (HCD 1-AC)** (No change to existing California amendment)

**AUTOMATIC DOOR.** (No change to existing California amendment)

**BATHROOM.** (No change to existing California amendment)

**BUILDING.** Any structure utilized or intended for supporting or sheltering any occupancy.

**Exception: (HCD 1, HCD 2 & HCD 1-AC)** For applications listed in Section 1.8.2 regulated by the Department of Housing and Community Development, "Building" shall not include the following:

- 1-3. (No change to existing California amendment)
4. Any recreational vehicle as defined in ~~Section~~ Health and Safety Code Section 18010.
5. (No change to existing California amendment)

For additional information, see Health and Safety Code Section 18908.

**Note:** Building shall have the same meaning as defined in Health and Safety Code Section 17920 and 18908 for the applications specified in Section 1.11.

**BUILDING ENTRANCE ON AN ACCESSIBLE ROUTE. (HCD 1-AC)** (No change to existing California amendment)

**BUILDING, EXISTING. (HCD 1 & HCD 2)** (No change to existing California amendment)

**CARRIAGE UNIT. [HCD 1-AC]** (No change to existing California amendment)

**CELLULAR CONCRETE. (HCD 1 & HCD 2)** (No change to existing California amendment)

**CHARACTERS.** (No change to existing California amendment)

**CLEAR FLOOR SPACE. (HCD 1-AC)** (No change to existing California amendment)

**COMMON USE AREAS. (HCD 1-AC)** (No change to existing California amendment)

**CONCRETE.**

.... (No change to existing California amendment)

**Cellular.** ~~A lightweight insulating concrete made by mixing a preformed foam with Portland cement slurry and having a dry unit weight of approximately 30 pcf (480 kg/m<sup>3</sup>).~~ **See CELLULAR CONCRETE.**

**CONGREGATE RESIDENCE.** *(No change to existing California amendment)*

**COVERED MULTIFAMILY DWELLINGS. (HCD 1-AC)** *(No change to existing California amendment)*

**CROSS SLOPE.** *((No change to existing California amendment)*

**CURB CUT.** *(No change to existing California amendment)*

**CURB RAMP.** *(No change to existing California amendment)*

**DEPARTMENT. (HCD 1 & HCD 2)** *(No change to existing California amendment)*

**DETACHED SINGLE-FAMILY DWELLING. (HCD 1 & HCD 2)** *(No change to existing California amendment)*

**DETECTABLE WARNING.** ~~A standardized surface feature built in or applied to walking surfaces or other elements to warn visually impaired persons of hazards on a circulation path.~~

**DETECTABLE WARNING.** *(No change to existing California amendment)*

**DIRECTIONAL SIGN. (HCD 1 & HCD 2)** *(No change to existing California amendment)*

**DWELLING UNIT.** *(No change to existing California amendment)*

**EFFICIENCY DWELLING UNIT. (HCD 1)** ~~A dwelling unit containing only one habitable room and includes an efficiency unit as defined by Health and Safety Code Section 17958.1. See Section 1208.4.~~

*A dwelling unit constructed in accordance with Health and Safety Code Section 17958.1 or the California Building Code Section 1207.4.*

**ELEVATOR, PASSENGER. (HCD 1 & HCD 2)** *(No change to existing California amendment)*

**ENFORCEMENT. (HCD 1 & HCD 2)** *(No change to existing California amendment)*

**ENFORCING AGENCY. (HCD 1 & HCD 2)** *(No change to existing California amendment)*

**ENTRANCE.** *(No change to existing California amendment)*

**EQUIVALENT FACILITATION.** *(No change to existing California amendment)*

**FAMILY (HCD 1).** (No change to existing California amendment)

**GRAB BAR. (HCD 1-AC)** (No change to existing California amendment)

**GRADE. (Adjacent Ground Elevation) (HCD 1-AC)** (No change to existing California amendment)

**GROUND FLOOR.** (No change to existing California amendment)

**GUARD (HCD 1, HCD 2 & HCD 1-AC) OR GUARDRAIL.** (No change to existing California amendment)

**HOTEL OR MOTEL. (HCD 1 & HCD 2)** (No change to existing California amendment)

**HOUSING AT A PLACE OF EDUCATION.** (No change to existing California amendment)

**INTERNATIONAL SYMBOL OF ACCESSIBILITY.** (No change to existing California amendment)

**KICK PLATE.** (No change to existing California amendment)

**LABELED.** (No change to existing California amendment)

**LAVATORY.** (No change to existing California amendment)

**LEVEL AREA. (HCD 1-AC)** (No change to existing California amendment)

**LIFT, PLATFORM (WHEELCHAIR). (HCD 1-AC)** (No change to existing California amendment)

**LISTED.** (No change to existing California amendment)

**LISTING AGENCY. (HCD 1 & HCD 2)** (No change to existing California amendment)

**LIVE/WORK UNIT:** A dwelling unit or sleeping unit in which a significant portion of the space includes a nonresidential use that is operated by the tenant or building owner.

**LOBBY. (HCD 1 & HCD 2)** (No change to existing California amendment)

~~**LODGING HOUSE.** A one-family dwelling where one or more occupants are primarily permanent in nature and rent is paid for guest rooms.~~

**LODGING HOUSE. (HCD 1 & HCD 1-AC)** (No change to existing California amendment)

**MARKED CROSSING.** (No change to existing California amendment)

**MOTEL. (HCD 1 & HCD 2)** (No change to existing California amendment)

**MULTISTORY DWELLING UNIT. (HCD 1-AC)** (No change to existing California amendment)

**NEWLY CONSTRUCTED. (HCD 1-AC)** (No change to existing California amendment)

**NORMAL. (HCD 1 & HCD 2)** (No change to existing California amendment)

**OPEN RISER.** (No change to existing California amendment)

**OPERABLE PART.** (No change to existing California amendment)

**PASSAGE DOOR. (HCD 1-AC)** (No change to existing California amendment)

**PASSENGER ELEVATOR. (HCD 1 & HCD 2)** (No change to existing California amendment)

**PASSIVE SOLAR ENERGY COLLECTOR. (HCD 1 & HCD 2)** (No change to existing California amendment)

**PEDESTRIAN. (HCD 1-AC)** (No change to existing California amendment)

**PEDESTRIAN WAY.** (No change to existing California amendment)

**PERSONS WITH DISABILITIES. (HCD 1-AC)** (No change to existing California amendment)

**PICTOGRAM.** (No change to existing California amendment)

**PLACE OF PUBLIC ACCOMMODATION.** (No change to existing California amendment)

**PLATFORM (WHEELCHAIR) LIFT.** (No change to existing California amendment)

**POWDER ROOM.** (No change to existing California amendment)

**PRIMARY ENTRY. (HCD 1-AC)** (No change to existing California amendment)

**PRIMARY ENTRY LEVEL. (HCD 1-AC)** (No change to existing California amendment)

**PUBLIC ENTITY.** (No change to existing California amendment)

**PUBLIC HOUSING. (HCD 1-AC)** (No change to existing California amendment)

**PUBLIC-USE AREAS.** Interior or exterior rooms or spaces that are made available to the general public.

**PUBLIC-USE AREAS. (HCD 1-AC)** (No change to existing California amendment)

**RECOMMEND. (HCD 1 & HCD 2)**(No change to existing California amendment)

**RISER.** (No change to existing California amendment)

**RUNNING SLOPE.** (No change to existing California amendment)

**SANITARY FACILITY. (HCD 1 & HCD 1-AC)** (No change to existing California amendment)

**SHOULD. (HCD 1 & HCD 2)** (No change to existing California amendment)

**SIDEWALK.** (No change to existing California amendment)

**SIGN (HCD 1-AC, DSA-AC)** An element composed of displayed textural, verbal, symbolic, tactile, and/or pictorial information.

**SINGLE-ACCOMMODATION SANITARY FACILITY. (HCD 1-AC)** (No change to existing California amendment)

**SINK.** (No change to existing California amendment)

**SITE DEVELOPMENT. (HCD 1-AC)** (No change to existing California amendment)

**SLEEPING ACCOMMODATIONS.** (No change to existing California amendment)

**SLOPE. (HCD 1-AC)** (No change to existing California amendment)

**SPACE.** (No change to existing California amendment)

**TACTILE.** (No change to existing California amendment)

**TACTILE SIGN.** (No change to existing California amendment)

**TESTING AGENCY. (HCD 1 & HCD 2)** An agency approved by the department as qualified and equipped for testing of products, materials, equipment and installations in accordance with nationally recognized standards. For additional information, see Health and Safety Code Section 17920(~~mn~~).

**TEXT TELEPHONE.** (No change to existing California amendment)

**TRANSIENT LODGING.** (No change to existing California amendment)

**TREAD.** (No change to existing California amendment)

**TTY.** (No change to existing California amendment)

**UNREASONABLE HARDSHIP.** *(No change to existing California amendment)*

**VEHICULAR OR PEDESTRIAN ARRIVAL POINTS. (HCD 1-AC)** *(No change to existing California amendment)*

**VEHICULAR WAY.** *(No change to existing California amendment)*

**WALK. (HCD 1-AC)** *(No change to existing California amendment)*

**WHEELCHAIR. (HCD 1-AC)** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**4     HCD proposes to not adopt the following Chapter 2 definitions from the 2018 International Building Code:**

~~**ACCESSIBLE UNIT.** A dwelling unit or sleeping unit that complies with this code and the provisions for Accessible units in ICC A117.1.~~

~~**COMMON USE.** Interior or exterior circulation paths, rooms, spaces or elements that are not for public use and are made available for the shared use of two or more people.~~

~~**INTENDED TO BE OCCUPIED AS A RESIDENCE.** This refers to a dwelling unit or sleeping unit that can or will be used all or part of the time as the occupant's place of abode.~~

~~**MULTILEVEL ASSEMBLY SEATING.** Seating that is arranged in distinct levels where each level is comprised of either multiple rows, or a single row of box seats accessed from a separate level.~~

~~**MULTISTORY UNIT.** A dwelling unit or sleeping unit with habitable space located on more than one story.~~

~~**SELF-SERVICE STORAGE FACILITY.** Real property designed and used for the purpose of renting or leasing individual storage spaces to customers for the purpose of storing and removing personal property on a self-service basis.~~

~~**TYPE A UNIT.** A dwelling unit or sleeping unit designed and constructed for accessibility in accordance with this code and the provisions for Type A units in ICG A117.1.~~

~~**TYPE B UNIT.** A dwelling unit or sleeping unit designed and constructed for accessibility in accordance with this code and the provisions for Type B units in ICG A117.1, consistent with the design and construction requirements of the federal Fair Housing Act.~~

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**5 HCD proposes to adopt Chapter 3, except Section 308.3, from the 2018 International Building Code into the 2019 California Building Code, with new and existing amendments as follows:**

**CHAPTER 3  
OCCUPANCY CLASSIFICATION AND USE**

**SECTION 302  
OCCUPANCY CLASSIFICATION AND USE DESIGNATION**

**302.1 Occupancy classification.** *(No change to existing California amendment)*

**SECTION 310  
RESIDENTIAL GROUP R**

**310.2 (Formerly 310.3) Residential Group R-1.** *(No change to existing California amendment)*

**310.3 (Formerly 310.4) Residential Group R-2.** *(No change to existing California amendment)*

**310.4 (Formerly 310.5) Residential Group R-3.** *(No change to existing California amendment)*



**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**6     HCD proposes to adopt Chapter 4 from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

**CHAPTER 4  
SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY**

**SECTION 406  
MOTOR-VEHICLE-RELATED OCCUPANCIES**

**406.2.1 (Formerly 406.3.6) Automatic garage door openers and vehicular gates.** *(No change to existing California amendment)*

**406.2.2 (Formerly 406.3.2) Clear height.** *(No change to existing California amendment)*

**406.2.3 Accessible parking spaces.** Where parking is provided, accessible parking spaces, access aisles and vehicular routes serving accessible parking shall be provided in accordance with ~~Section 1106~~ Chapter 11A.

**406.2.7 Electric vehicle charging stations.** Where provided, electric vehicle charging stations shall be installed in accordance with ~~NFPA 70~~ the California Electrical Code and the California Green Building Standards Code. Electric vehicle charging system equipment shall be listed and labeled in accordance with UL 2202. Electric vehicle supply equipment shall be listed and labeled in accordance with UL 2594. Accessibility to electric vehicle charging stations shall be provided in accordance with Chapters 11A and/or 11B.

**406.2.9 Equipment and appliances.** Equipment and appliances shall be installed in accordance with Sections 406.2.9.1 through 406.2.9.3 and the ~~International Mechanical Code, International Fuel Gas~~ California Plumbing Code, and ~~NFPA 70~~ the California Electrical Code.

**406.4.1 (2016 CBC) Clear height.** The clear height of each floor level in vehicle and pedestrian traffic areas shall not be less than 7 feet (2134 mm). Vehicle and pedestrian areas accommodating van accessible parking shall comply with Section 1106.5. ~~(HCD 1-AC) The clear height of vehicle and pedestrian areas required to be accessible shall comply with Chapter 11A.~~

## **SECTION 419 LIVE/WORK UNITS**

**419.1 General.** A live/work unit shall comply with Sections 419.1 through 419.9.

### **Exceptions:**

1. Dwelling or sleeping units that include an office that is less than 10 percent of the area of the dwelling unit are permitted to be classified as dwelling units with accessory occupancies in accordance with Section 508.2.
2. Live/work units complying with the requirements of Section 419 shall be permitted to be constructed as one- and two-family dwellings or townhouses in accordance with the California Residential Code, as applicable.

**419.3 Means of egress.** Except as modified by this section, the means of egress components for a live/work unit shall be designed in accordance with Chapter 10 for the function served.

**Exception:** Residential areas of live/work units constructed in accordance with the California Residential Code shall not be required to comply with Chapter 10.

**419.6 Structural.** Floors within a live/work unit shall be designed for the live loads in Table 1607.1, based on the function within the space.

**Exception:** Residential areas of live/work units constructed in accordance with the California Residential Code shall not be required to comply with Table 1607.1.

**419.7 Accessibility.** Accessibility shall be designed in accordance with Chapter 11-Chapter 11A, when applicable, for the function served.

## **SECTION 420 GROUPS I-1, R-1, R-2, R-2.1, R-3, R-3.1 AND R-4**

**420.1 General.** (No change to existing California amendment)

**420.10.1 Cooking appliances.** Where located in Group R-2 college dormitories, domestic cooking appliances for use by residents shall be in compliance with all of the following:

1. The types of domestic cooking appliances shall be limited to ovens, cooktops, ranges, warmers, coffee makers and microwaves.
2. Domestic cooking appliances shall be limited to approved locations.
3. Cooktops and ranges shall be protected in accordance with Section 904.13.
4. Cooktops and ranges shall be provided with a domestic cooking hood installed and constructed in accordance with ~~Section 505 of the International California Mechanical Code.~~ *Kitchen range hoods shall also be rated for sound and meet field verification requirements in the California Energy Code for low-rise and high-rise residential buildings.*

**~~420.7~~ 420.11 (HCD 1) Construction waste management.** (Renumber only. No change to existing California amendment)

**~~420.8~~ 420.12 Special provisions for residential hotels. (HCD 1 & HCD 1-AC)** (Renumber only. No change to existing California amendment)

**~~420.8.1~~ 420.12.1 Locking mail receptacles.** (Renumber only. No change to existing California amendment)

**~~420.9~~ 420.13 (HCD 1) Electric vehicle (EV) charging for new construction.** Newly constructed Group R-1, R-2 and R-3 buildings shall be provided with ~~an~~ infrastructure to facilitate future installation and use of electric vehicle (EV) chargers in accordance with the California Green Building Standards Code (CALGreen), Chapter 4, Division 4.1.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**7 HCD proposes to adopt Chapter 5 from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows:**

## CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS

### SECTION 503 GENERAL BUILDING HEIGHT AND AREA LIMITATIONS

**503.1 General.** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**8 HCD proposes to adopt Chapter 6 from the 2018 International Building Code into the 2019 California Building Code with existing amendment as follows:**

## CHAPTER 6 TYPES OF CONSTRUCTION

### SECTION 603 COMBUSTIBLE MATERIAL IN TYPES I AND II CONSTRUCTION

**603.1.3 Electrical.** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

**9 HCD proposes to adopt Chapter 7 from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows:**

**CHAPTER 7  
FIRE AND SMOKE PROTECTION FEATURES**

**SECTION 703  
FIRE RESISTANCE RATINGS AND FIRE TESTS**

**703.4 Automatic sprinklers.** *(No change to existing California amendment)*

**SECTION 721  
PRESCRIPTIVE FIRE RESISTANCE**

**721.2 Cellular concrete. (HCD 1 & HCD 2)** *(No change to existing California amendment)*

**721.2.1 Use and application. (HCD 1 & HCD 2)** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**10 HCD proposes to adopt Chapter 8 from the 2018 International Building Code into the 2019 California Building Code without amendments:**

**CHAPTER 8  
INTERIOR FINISHES**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**11 HCD proposes to adopt Chapter 9 from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

**CHAPTER 9  
FIRE PROTECTION AND LIFE SAFETY SYSTEMS**

**SECTION 904  
ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS**

**904.3 Installation.** *(No change to model code text)*

**904.3.1 Electrical wiring.** *(No change to existing California amendment)*

**SECTION 907  
FIRE ALARM AND DETECTION SYSTEMS**

**907.5.2.3.3 Group R-2.** *(No change to existing California amendment)*

**907.6.1 Wiring.** *(No change to existing California amendment)*

**SECTION 915  
CARBON MONOXIDE DETECTION**

**915.1 General.** *(No change to existing California amendment)*

**915.2 Locations.** *(No change to existing California amendment)*

**915.2.1 Dwelling units.** *(No change to existing California amendment)*

**915.4 Carbon monoxide alarms.** Carbon monoxide alarms shall comply with Sections 915.4.1 through 915.4.4 915.4.5.

**915.4.1 Power source.** *(No change to existing California amendment)*

**915.4.2 Listings.** *(No change to existing California amendment)*

**915.4.4 Combination alarms. (formerly 915.4.3)** *(No change to existing California amendment)*

**915.4.4 915.4.5 Interconnection.** *(Renumber only. No change to existing California amendment.)*

**915.5 Carbon monoxide detection systems.** *(No change to model code text)*

**915.5.1 General.** *(No change to model code text)*

**915.5.2 Locations.** Carbon monoxide detectors shall be installed in the locations specified in Section 915.2 or NFPA 720. ~~These locations supersede the locations specified in NFPA 720.~~

**915.5.3 Combination detectors.** *(No change to existing California amendment)*

**915.6 Maintenance.** *(No change to existing California amendment)*

**915.7 Visible alarms.** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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- 12 **HCD proposes to adopt Chapter 10 from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

**CHAPTER 10  
MEANS OF EGRESS**

**(Formerly) SECTION 1002  
DEFINITIONS**

**~~GUARD ((HCD 1, HCD 2 & HCD 1-AC) or GUARDRAIL).~~**

**SECTION 1003  
GENERAL MEANS OF EGRESS**

**1003.1 Applicability.** *(No change to existing California amendment)*

**1003.3 Protruding objects.** ... *(No change to existing California amendment)*

**1003.3.4 Clear width.** *(No change to existing California amendment)*

**1003.5 Elevation change.** *(No change to existing California amendment)*

## **SECTION 1009 ACCESSIBLE MEANS OF EGRESS**

**1009.1 Accessible means of egress required.** *(No change to existing California amendment)*

**1009.2 Continuity and components.** *(No change to existing California amendment)*

**1009.3 Stairways.** *(No change to existing California amendment)*

**1009.5 Platform lifts.** *(No change to existing California amendment)*

**1009.6 Area of refuge....***(No change to model code text)*

**1009.6.3 Size.** *(No change to existing California amendment)*

**1009.8 Two way communication.** *(No change to model code text)*

**1009.8.1 System requirements.** *(No change to model code text)*

**1009.8.1.1 Visible communication method. (HCD 1-AC)** *(No change to existing California amendment)*

**1009.8.2 Directions.** *(No change to existing California amendment)*

**1009.9 Signage.** *(No change to existing California amendment)*

**1009.11 Instructions.** *(No change to existing California amendment)*

**1009.12 Alarms/emergency warning systems/accessibility.** *(No change to existing California amendment)*

## **SECTION 1010 DOORS, GATES AND TURNSTILES**

**1010.1.1 Size of doors.** *(No change to model code text)*

### **Exceptions:**

1. In Group R-2 and R-3 dwelling and sleeping units that are not required to be an Accessible unit, Type A unit or Type B unit, adaptable or accessible as specified in Chapter 11A, the minimum and maximum width shall not apply to door openings that are not part of the required means of egress.



2. In Group I-3, door openings to resident sleeping units that are not required to be an Accessible unit adaptable or accessible as specified in Chapter 11A, shall have a minimum clear opening width of 28 inches (711 mm).
- 3-6. ... (No change to model code text)
7. In dwelling and sleeping units that are not required to be Accessible, Type A or Type B units, adaptable or accessible as specified in Chapter 11A, exterior door openings other than the required exit door shall have a minimum clear opening height of 76 inches (1930 mm).
8. In Groups I-1, R-2, R-3 and R-4, in dwelling and sleeping units that are not required to be Accessible, Type A or Type B units, adaptable or accessible as specified in Chapter 11A, the minimum clear opening widths shall not apply to interior egress doors. **(Formerly Item 7)**
- ~~9. Door openings required to be accessible within Type B units intended for user passage shall have a minimum clear width of 31.75 inches (806 mm).~~
- ~~40~~ 9. Doors to walk-in freezers and coolers less than 1,000 square feet (93 m<sup>2</sup>) in area shall have a maximum width of 60 inches (1524 mm) nominal.
- ~~44~~ 10. The minimum clear opening width shall not apply to doors for ~~nonaccessible~~ nonadaptable or nonaccessible shower or sauna compartments, as specified in Chapter 11A. **(Formerly Item 9)**
- ~~42~~ 11. The minimum clear opening width shall not apply to the doors for ~~nonaccessible~~ nonadaptable or nonaccessible toilet stalls.

#### **1010.1.4.1 Revolving doors.** *(No change to existing California amendment)*

#### **1010.1.5 Floor elevation.** *(No change to model code text)*

##### **Exceptions:**

- 1-2. (No change to model code text)
3. *(No change to existing California amendment)*
4. (No change to model code text)
5. *(No change to existing California amendment)*
6. Doors serving equipment spaces not required to be adaptable or accessible ~~in accordance with Section 1103.2.9~~ and serving an occupant load of five or less shall be permitted to have a landing on one side to be not more than 7 inches (178 mm) above or below the landing on the egress side of the door.

**1010.1.7 Thresholds.** (No change to model code text)

**Exceptions:**

1. *(No change to existing California amendment)*
2. *(No change to existing California amendment)*

**1010.1.8 Door arrangement.** (No change to model code text)

**Exceptions:**

- 1-2. (No change to model code text)
3. *(No change to existing California amendment)*

**1010.1.9.1 Hardware.** *(No change to existing California amendment)*

**SECTION 1012  
RAMPS**

**1012.1 Scope.** (No change to model code text)

**Exceptions:**

1. (No change to model code text)
2. *(No change to existing California amendment)*
3. (No change to model code text)

**1012.6.3 Length.** (No change to model code text)

**Exceptions:**

1. *(No change to existing California amendment)*
2. (No change to model code text)

**1012.6.4 Change in direction.** *(No change to existing California amendment)*

**1012.6.5 Doorways.** *(No change to existing California amendment)*

**1012.10 Edge protection.** (No change to model code text)

**Exceptions:**

1. *(No change to existing California amendment)*
- 2-3. (No change to model code text)

## **SECTION 1014 HANDRAILS**

**1014.8 Projections.** *(No change to existing California amendment)*

## **SECTION 1015 GUARDS**

**1015.3 Height.** *(No change to model code text)*

**Exceptions:** *(No change to existing California amendments. To repeal Exception 1 and renumber following model code Exceptions 1 through 5. Exception 5, as renumbered and new model code exception.)*

6 5. In Group F occupancies where exit access stairways serve fewer than three stories and such stairways are not open to the public, and where the top of the guard also serves as a handrail, the top of the guard shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the leading edges of the treads.

**1015.8 Window openings.** *(No change to existing California amendment)*  
1-4. *(No change to model code text)*

## **SECTION 1023 INTERIOR EXIT STAIRWAYS AND RAMPS**

**1023.9 Stairway identification signs.** *(No change to existing California amendment)*

### **NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**13 HCD proposes NOT to adopt Chapter 11 from the 2018 International Building Code.**

**CHAPTER 11  
ACCESSIBILITY**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**14 HCD proposes to continue to adopt Chapter 11A from the 2016 California Building Code into the 2019 California Building Code with no modifications.**

**CHAPTER 11A  
HOUSING ACCESSIBILITY**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**15 HCD proposes to adopt Chapter 12 from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

**CHAPTER 12  
INTERIOR ENVIRONMENT**

**SECTION 1202  
VENTILATION  
(Formerly 1203)**

**1202.1 (Formerly 1203.1) General.** *(No change to existing California amendment, including deletion of second model code paragraph)*

**1202.2 Roof ventilation.** *(No change to model code text)*

**1202.2.1 Ventilated attics and rafter spaces. (Formerly 1203.2 Ventilation required).** *(No change to model code text)*

**Exceptions:**

1. *(No change to existing California amendment)*
2. *(No change to model code text)*

**1202.3 (Formerly 1203.3) Unvented attic and unvented enclosed rafter assemblies.** *(No change to model code text)*

1-3. *(No change to model code text)*

4. *(No change to existing California amendment)*

4.1 **(HCD 1 & HCD 2)** *(No change to existing California amendment)*

5. *(No change to model code text)*

5.1. *(No change to existing California amendment)*

5.1.1-5.1.2. *(No change to model code text)*

5.1.3. *(No change to existing California amendment)*

5.1.4. *(No change to model code text)*

5.2. *(No change to model code text)*

**Exceptions:**

1. (No change to model code text)
2. (No change to existing California amendment)

**TABLE 1202.3  
INSULATION FOR CONDENSATION CONTROL**

*(No change to existing California amendment)*

**1202.5 (Formerly 1203.5) Natural ventilation.** (No change to model code text)

*(HCD 1) (No change to existing California amendment)*

*(HCD 1) (No change to existing California amendment)*

*(HCD 1) The windows, doors, louvers or other approved closeable openings not required by Section ~~1029~~ 1030 may open into a passive solar energy collector for ventilation required by this section. The area of ventilation openings to the outside of the passive solar energy collector shall be increased to compensate for the openings required by the interior space.*

**1202.5.2.1 (Formerly 1203.5.2.1) Bathrooms.** (No change to existing California amendment)

**SECTION 1203  
TEMPERATURE CONTROL  
(Formerly 1204)**

**1203.1 (Formerly 1204.1) Equipment and systems.** (No change to model code text)

**Exceptions:**

- 1-4. (No change to existing California amendment)

**SECTION 1204  
LIGHTING  
(Formerly 1205)**

**1204.1 (Formerly 1205.1) General.** (No change to existing California amendment)

**1204.4 (Formerly 1205.4) Stairway illumination.** (No change to model code text)

**1204.4.1 (Formerly 1205.4.1) Controls.** (No change to existing California amendment)

**SECTION 1206  
SOUND TRANSMISSION  
(Formerly 1207)**

**1206.3 (Formerly 1207.3) Structure-borne sound.** *(No change to existing California amendment)*

~~1207.4~~ **1206.4 Allowable interior noise levels.** *(Renumber only. No change to existing California amendment)*

**SECTION 1207  
INTERIOR SPACE DIMENSIONS  
(Formerly 1208)**

**1207.1 (Formerly 1208.1) Minimum room widths.** *(No change to existing California amendment)*

**1207.4 (Formerly 1208.4) Efficiency dwelling units.** *(No change to existing California amendment)*

**SECTION ~~1211~~ 1210 (HCD 1 & HCD 2)  
GARAGE DOOR SPRINGS**

~~1211.1~~ **1210.1 General.** *This section shall apply to applications listed in Sections 1.8.2.1.1 and 1.8.2.1.3 regulated by the Department of Housing and Community Development.*

~~1211.1.1~~ **1210.1.1 Extension-gGarage door extension springs.** *Every extension garage door extension spring sold or offered for sale, whether new or as a replacement, or installed in any garage or carport which is accessory to an apartment house, hotel, motel or dwelling shall conform to the following requirements:*

*Hard-drawn spring wire shall conform to ASTM A-227-06 (2011) A227/A227M-17 or a more current version, and shall be made by the steel processes described therein, conforming to the chemical composition requirements listed and meeting the standards of steel heat as set forth by the ladle analysis. Wire tensile strength and dimension variations shall meet the prescribed properties of established standards. Oil-tempered wire shall conform to ASTM A-229-12 A229/A229M-17 or a more current version, and shall be made by the steel processes described therein, conforming to the chemical composition requirements listed and meeting the standards of steel heat as set forth by the ladle analysis. Wire tensile strength and dimension variations shall meet the prescribed properties of established standards. Extension springs shall be fabricated from either hard-drawn spring wire or oil-tempered wire as specified above.*

**~~1211.2~~ 1210.2 Design standards.** Minimum design standard shall be 9,000 cycles. (One cycle is equal to door opening plus door closing at maximum working load ~~an~~ action on the door from the fully closed position, to the fully open position, and returned to the fully closed position.)

**~~1211.3~~ 1210.3 Certification.** Mill certification of wire physical tests and chemical properties shall be kept on file by the spring manufacturer. Physical cycling tests shall be performed for each extension spring design and shall be certified by an approved testing agency acceptable to the department and reports kept on file by the spring manufacturer.

~~Containment devices shall be physically tested for each extension spring design by installing the device on the spring and by destroying the spring at maximum recommended stretch. Containment tests shall be certified by an approved testing agency acceptable to the department and reports kept on file by the manufacturer.~~

**~~1211.4~~ 1210.4 Containment Restraining devices.** Each extension spring shall be equipped with an approved device capable of restraining the spring or any part thereof in the event it breaks. Restraining devices shall be physically tested for each extension spring family of products in accordance with ANSI/DASMA 103-2017 or an equivalent standard. Tests shall be certified by an approved testing agency acceptable to the department. Test reports shall be kept on file by the manufacturer responsible for the restraining device.

**~~1211.5~~ 1210.5 Identification.** Extension springs, or door systems with extension springs; and restraining devices shall be permanently identified as to manufacturer and ~~also to shall~~ indicate maximum recommended stretch. Both extension springs and ~~containment~~ restraining devices shall bear information stating that they have been manufactured in accordance with requirements of the California Department of Housing and Community Development.

**~~1211.6~~ 1210.6 Installation.** Installation of extension springs, ~~containment~~ restraining devices and hardware shall be in accordance with the door manufacturer's installation instructions. Instructions shall be provided by the door manufacturer and shall specify the approved method of restraint and maximum recommended stretch. Unless otherwise permitted by the door manufacturer's installation instructions, the hardware and extension springs shall be mounted to nominal ~~42 by 2 by 6~~ framing members, conforming to the applicable provisions of Section 2303.



**SECTION ~~1212~~ 1211 (HCD 1)**  
**POLLUTANT CONTROL**

**~~1212.1~~ 1211.1 *Finish material pollutant control.*** *(Renumber only. No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**16 HCD proposes NOT to adopt Chapter 13 from the 2018 International Building Code.**

**CHAPTER 13**  
**ENERGY EFFICIENCY**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**17 HCD proposes to adopt Chapter 14, except Table 1405.3.2, from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows:**

## CHAPTER 14 EXTERIOR WALLS

### SECTION 1404 INSTALLATION OF WALL COVERINGS

**1404.3 (Formerly 1405.3) Vapor retarders.** (No change to model code text)

**1404.3.1 (Formerly 1405.3.1) Class I and II vapor retarders.** *(No change to existing California amendment)*

**1404.3.2 (Formerly 1405.3.2) Class III vapor retarders.** *(No change to existing California amendment)*

#### TABLE 1404.3.2 (Formerly TABLE 1405.3.2) CLASS III VAPOR RETARDERS *(Not adopted by HCD 1 & HCD 2)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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- 18 HCD proposes to adopt Chapter 15 from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

## CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

### SECTION 1502 ROOF DRAINAGE (Formerly part of 1503)

**1502.1 (Formerly 1503.4) General.** *(No change to existing California amendment)*

**1502.2 (Formerly 1503.4.1) Secondary (emergency overflow) drains or scuppers.** *(No change to existing California amendment)*

## SECTION 1510 ROOFTOP STRUCTURES

**1510.7.1 (2016 CBC) Wind resistance.** Rooftop-mounted photovoltaic panels and modules shall be designed for component and cladding wind loads in accordance with Chapter 16 using an effective wind area based on the dimensions of a single unit frame.

**Exception:** ~~[BSC, HCD-1, HCD-2, DSA-SS, DSA-SS/CC] The effective wind area shall be in accordance with Chapter 16 and ASCE 7 Section 26.2.~~

**1510.7.2.1 Installation.** [HCD 1 & HCD 2] Supports and attachments of photovoltaic panels to the roof structure, the panels, modules and components shall be designed for applied loads per this code, and shall comply with industry standards determined applicable by the enforcement agency. Seismic design requirements shall be determined from ASCE 7 Section 13.6.12. Wind design pressures shall be determined from ASCE 7 Section 29.4.3 or 29.4.4 using effective wind area per ASCE 7 Section 26.2. Calculations and drawings of the supports and attachments shall be submitted to the enforcement agency for review.

### NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1..

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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## **19 HCD proposes to adopt Chapter 16 from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows:**

### CHAPTER 16 STRUCTURAL DESIGN

#### SECTION 1607 LIVE LOADS

**1607.8 Loads on handrails, guards, grab bars, shower seats, and dressing room bench seats.** (No change to existing California amendment)

**1607.8.1 Handrails and guards.** (No change to model code text)

**1607.8.2 Grab bars, shower seats and dressing room bench seats.** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**20 HCD proposes to adopt Chapter 17 from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows:**

**CHAPTER 17  
SPECIAL INSPECTIONS AND TESTS**

**SECTION 1704  
SPECIAL INSPECTIONS AND TESTS, CONTRACTOR RESPONSIBILITY AND  
STRUCTURAL OBSERVATION**

**1704.2 Special inspections and tests.** *(No change to existing California amendment)*

**Exceptions:**

1-4. (No change to model code text)

5. **(HCD 1)** *(No change to existing California amendment)*

**SECTION 1707  
ALTERNATIVE TEST PROCEDURE**

**1707.1 General.** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**21 HCD proposes to adopt Chapter 18 from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows:**

**CHAPTER 18  
SOILS AND FOUNDATIONS**

**SECTION 1802  
DESIGN BASIS**

**1802.1 General. (Formerly 1801.2 General)** *(No change to existing California amendment)*

**SECTION 1803  
GEOTECHNICAL INVESTIGATIONS**

**1803.1 General.** *(No change to model code text)*

**1803.1.1 – 1803.1.1.5** *(No change to existing California amendment)*

**SECTION 1804  
EXCAVATION, GRADING AND FILL**

**1804.4 Site grading.** *(No change to model code text)*

**1804.4.1 (HCD 1) Construction plans.** *(No change to existing California amendment)*

**SECTION 1805  
DAMPPROOFING AND WATERPROOFING**

**1805.4 Subsoil drainage system.** *(No change to model code text)*

**1805.4.1 Floor base course.** *(No change to existing California amendment)*

**SECTION 1810  
DEEP FOUNDATIONS**

**1810.3.10.4 Seismic reinforcement.** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**22 HCD proposes to adopt Chapter 19 from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows:**

**CHAPTER 19  
CONCRETE**

**SECTION 1907  
MINIMUM SLAB PROVISIONS**

**1907.1 General.** (No change to model code text)

***1907.1.1 (HCD 1) Capillary break*** (No change to existing California amendment)

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**23 HCD proposes to adopt Chapter 20 from the 2018 International Building Code into the 2019 California Building Code without amendments.**

**CHAPTER 20  
ALUMINUM**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**24 HCD proposes to adopt Chapter 21 from the 2018 International Building Code into the 2019 California Building Code without amendments.**

**CHAPTER 21  
MASONRY**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**25 HCD proposes to adopt Chapter 22 from the 2018 International Building Code into the 2019 California Building Code without amendments:**

**CHAPTER 22  
STEEL**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**26 HCD proposes to adopt Chapter 23 from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows:**

**CHAPTER 23  
WOOD**

**SECTION 2301  
GENERAL**

**2301.1 Scope.** *(No change to existing California amendment)*

**SECTION 2304  
GENERAL CONSTRUCTION REQUIREMENTS**

**2304.3.1 Bottom plates.** *(No change to model code text)*

**2304.3.1.1 (HCD 1) Rodent proofing.** *(No change to existing California amendment)*

**2304.12.2.5 Supporting members for permeable floors and roofs. (HCD 1, HCD 2)** Wood structural members that support moisture-permeable floors or roofs that are exposed to the weather, such as concrete or masonry slabs, shall be of naturally durable or preservative-treated wood unless separated from such floors or roofs by an impervious moisture barrier. The impervious moisture barrier system protecting the structure supporting floors shall provide positive drainage of water that infiltrates the moisture-permeable floor topping. ~~The impervious moisture barrier system protecting the structure supporting floors shall provide~~



~~positive drainage of water that infiltrates the moisture-permeable floor topping.~~

**2304.12.2.6 Ventilation beneath balcony or elevated walking surfaces** (No change to model code text)

~~**2304.12.2.6 Ventilation beneath balcony or elevated walking surfaces.**  
**[HCD 1, HCD 2]** Enclosed framing in exterior balconies and elevated walking surfaces that are exposed to rain, snow or drainage from irrigation shall be provided with openings that provide a net free cross-ventilation area not less than 1/150 of the area of each separate space.~~

## **SECTION 2308 CONVENTIONAL LIGHT-FRAME CONSTRUCTION**

**2308.1 General.** (No change to existing California amendment)

### **NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**27 HCD proposes to adopt Chapter 24 from the 2018 International Building Code into the 2019 California Building Code without amendments:**

## **CHAPTER 24 GLASS AND GLAZING**

### **NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**28 HCD proposes to adopt Chapter 25 from the 2018 International Building Code into the 2019 California Building Code without amendments:**

**CHAPTER 25  
GYPSUM BOARD, GYPSUM PANEL PRODUCTS AND PLASTER**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**29 HCD proposes to adopt Chapter 26 from the 2018 International Building Code into the 2019 California Building Code without amendments:**

**CHAPTER 26  
PLASTIC**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**30 HCD proposes NOT to adopt Chapter 27 from the 2018 International Building Code.**

**CHAPTER 27  
ELECTRICAL**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**31 HCD proposes NOT to adopt Chapter 28 from the 2018 International Building Code.**

**CHAPTER 28  
MECHANICAL SYSTEMS**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**32 HCD proposes NOT to adopt Chapter 29 from the 2018 International Building Code.**

**CHAPTER 29  
PLUMBING SYSTEMS**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1

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**33 HCD proposes to adopt Chapter 30, Section 3001.4 only, from the 2018 International Building Code into the 2019 California Building Code with existing amendment as follows:**

**CHAPTER 30  
ELEVATORS AND CONVEYING SYSTEMS**

**SECTION 3001  
GENERAL**

**3001.4 (Formerly 3001.3) Accessibility.** (No change to existing California amendment)

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**34 HCD proposes to adopt Chapter 31, except Sections 3109 and 3113, from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

**CHAPTER 31  
SPECIAL CONSTRUCTION**

**User notes:**

**About this chapter:** (No change to model code text)

*(HCD) The provisions of Section 3113 are not applicable to commercial modulars, manufactured homes, mobilehomes, multi-unit manufactured housing, and special purpose commercial modulars as defined in Health and Safety Code Sections 18001.8, 18007, 18008, 18008.7 and 18012.5, respectively. These structures are subject to installation/reinstallation requirements specified in the Mobilehome Parks Act (Health and Safety Code Section 18200 et seq.) and the California Code of Regulations, Title 25, Division 1, Chapter 2. Manufactured homes must meet unit identification (data plate) and certification label requirements as specified in the Code of Federal Regulations, Title 24, Subtitle B, Chapter XX, Part 3280 and Health and Safety Code Section 18032. Commercial modulars and special purpose commercial modulars must meet identification requirements in the California Code of Regulations, Title 25, Division 1, Chapter 3, Subchapter 2.*

**Code development reminder:** (No change to model code text)

**SECTION 3104  
PEDESTRIAN WALKWAYS AND TUNNELS**

**3104.2 Separate structures.** (No change to model code text)

**Exceptions:**

1. (No change to model code text)
2. (No change to existing California amendment)

**SECTION 3109  
SWIMMING POOLS, SPAS AND HOT TUBS  
(Not adopted by HCD)**

## SECTION 3111 SOLAR ENERGY SYSTEMS

**3111.1.1 (Formerly 1510.7.1) Wind resistance.** (No change to model code text)

**Exception (HCD-1, HCD-2) Rooftop-mounted photovoltaic panels and modules and solar thermal collectors shall be designed in accordance with Section 1510.7 of this code.**

**3111.3 (HCD 1, HCD 2) Photovoltaic solar energy systems.** Photovoltaic solar energy systems shall be designed and installed in accordance with this section, the International California Fire Code, NEPA-70 California Electrical Code, and the manufacturer's installation instructions **(HCD 1, HCD-2)** and Section 1512 of this code.

## SECTION 3112 GREENHOUSES

**3112.2 Accessibility.** ~~Greenhouses shall be accessible in accordance with Chapter 11.~~

**(HCD 1) Greenhouses accessory to covered multifamily dwellings, as defined in Chapter 2, used as a common use facility, shall be on an accessible route in accordance with Chapter 11A.**

## SECTION 3113 RELOCATABLE BUILDINGS **(Not adopted by HCD)**

### NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

**35 HCD proposes to adopt Chapter 32 from the 2018 International Building Code into the 2019 California Building Code without amendments:**

**CHAPTER 32  
ENCROACHMENTS INTO THE PUBLIC RIGHT-OF-WAY**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**36 HCD proposes to adopt Chapter 33, Sections 3301, 3302, 3303, 3304, 3305, 3306, 3307, and 3308, from the 2018 International Building Code into the 2019 California Building Code with existing amendments as follows. HCD proposes to not adopt Sections 3309, 3310, 3311, 3312, 3313 and 3314.**

**CHAPTER 33  
SAFEGUARDS DURING CONSTRUCTION**

**SECTION 3304  
SITE WORK**

***3304.1.5 (HCD) Storm water drainage and retention during construction. (No change to existing California amendment)***

**SECTION 3306  
PROTECTION OF PEDESTRIANS**

***3306.2 Walkways. (No change to existing California amendment)***

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**37 HCD proposes NOT to adopt Chapter 34 from the 2018 International Building Code.**

**CHAPTER 34  
RESERVED**

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**38 HCD proposes to adopt Chapter 35 from the 2018 International Building Code into the 2019 California Building Code with new and existing amendments as follows:**

**CHAPTER 35  
REFERENCED STANDARDS**

**User note:** *(No change to existing California amendment)*

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**ASTM**

ASTM International  
100 Barr Harbor  
DriveWest  
Conshohocken, PA  
19428-2959

**A227—06 (2011)**  
**A227/A227M-17**

***Standard Specification for Steel Wire, Cold-Drawn for  
Mechanical Springs ~~1211.1.1~~ 1210.1.1***



<b><u>A229—12</u></b> <b><u>A229/A229M-17</u></b>	<b><i>Standard Specification for Steel Wire, Quenched and Tempered for Mechanical Springs</i></b> <del>1211.1.1</del> <u>1210.1.1</u>
<b><u>DASMA</u></b>	<u>DASMA Door and Access Systems Manufacturers Association</u> <u>1300 Sumner Avenue</u> <u>Cleveland, Ohio 44115-2851</u>
<b><u>ANSI/DASMA</u></b> <b><u>103-2017</u></b>	<b><i>Standard for Counterbalance Systems on Residential Sectional Garage Doors</i></b> <u>1210.4</u>
<b>ICC</b>	International Code Council 500 New Jersey Avenue, NW 6th Floor Washington, DC 20001
<b><u>ICC/ANSI</u></b> <b><u>A117.1—09</u></b>	<del><b>Accessible and Usable Buildings and Facilities</b></del> 202, 907.5.2.3.3, 1009.8.2, 1009.9, 1009.11, 1010.1.9.8.1, 1012.1, 1012.6.5, 1012.10, 1013.4, 1023.9, <del>1101.2.1</del> , 1107.2, 1109.1, 1109.2, 1109.5.1, 1109.5.2, 1111.2, 1111.3, 1111.4, 1111.4.2
<b>ICC 300-17</b>	<b>ICC Standard on Bleachers, Folding and Telescopic Seating and Grandstands</b> 1029.1.1, 1029.7, Table 1607.1
<b>ICC 400-17</b>	<b>Standard on Design and Construction of Log Structures</b> 2302.2
<b>ICC 500—14</b>	<b>ICC/NSSA Standard on the Design and Construction of Storm Shelters</b> 202, 423.1, 423.2, 423.3, 423.4, 1604.5.1, 1604.10
<b>ICC 600-14</b>	<b>Standard for Residential Construction in High-Wind Regions</b> 1609.1.1, 1609.1.1.1, 2308.2.4
<b><u>IEBC - 18</u></b>	<del><b>International Existing Building Code</b></del> 101.4.7, 102.6, 116.5, 201.3, Table 504.3, Table 504.4, Table 504.6, 2701.1, 2801.1, 3113.1.4
<b><u>IECC-18</u></b>	<del><b>International Energy Conservation Code</b></del> <sup>®</sup> 101.4.6, 201.3, 202, 1202.1, 1202.4.3.2, 1301.1.1, 1405.3

<b>IFC-18</b>	<b>International Fire Code®</b> 101.4.5, 102.6, 102.6.2, 201.3, 202, 307.1, Table 307.1(1), Table 307.1(2), 307.1.1, 307.1.2, 403.4.5, 404.2, 406.2.9, 406.7, 406.8, 407.4, 410.2.6, 411.1, 412.1, 412.5.1, 413.1, 414.1.1, 414.1.2, 414.1.2.1, 414.2, Table 414.2.5(1), 414.2.5.1, 414.2.5.2, Table 414.2.5(2), 414.2.5.3, 414.3, 414.5, 414.5.1, Table 414.5.1, 414.5.2, 414.5.3, 414.6, 415.2, 415.6, 415.6.1, 415.6.1.1, 415.6.1.4, Table 415.6.2, 415.7.3, 415.8.2, 415.9, 415.9.1, 415.9.1.3, 415.9.1.4, 415.9.1.6, 415.9.1.7, 415.9.1.8, 415.9.2, 415.9.3, 415.10, 415.11, 415.11.1.7, 415.11.4, 415.11.7.2, 415.11.9.3, 415.11.10.1, 416.1, 416.2.3, 416.4, 422.3.1, 426.1, 426.1.4, 427.1, 427.2.3, 428.1, 428.2, 428.3, Table 504.3, Table 504.4, Table 506.2, 507.4, 507.8.1.1.1, 507.8.1.1.2, 507.8.1.1.3, Table 509, 705.8.1, 707.1, 806.3, 901.2, 901.3, 901.5, 901.6.3, 901.6.4, 903.2.7.1, Table 903.2.11.6, 903.2.12, 903.5, 904.2.2, 904.11.3, 905.1, 905.3.6, 905.3.7, 906.1, Table 906.1, 906.4, 907.1.1, 907.2.5, 907.2.6, 907.2.8, 907.2.12.2, 907.2.14, 907.2.15, 907.2.22, 907.5.2.2, 907.6.6, 907.6.6.2, 907.8, 909.6.3, 909.12.1, 909.19, 909.20, 910.2.2, 910.5, 912.4.3, 915.1, 915.6, 916.7, 916.11, 918.1, 1002.1, 1002.2, 1010.1.9.7, 1202.5.2, 1202.6, 1507.16, 1512.1, Table 1604.5, 2603.4.1.12, 2701.1, 2702.1.3, 2702.2.3, 2702.2.7, 2702.2.10, 2702.2.12, 2702.2.14, 2702.4, 3003.3, 3008.1.3, 3102.1, 3102.8.3, 3103.1, 3111.1.2, 3111.2, 3111.3, 3111.3.4, 3111.3.5, 3302.3, 3303.7, 3309.2
<b>IFGC-18</b>	<b>International Fuel Gas Code®</b> 101.4.1, 201.3, Table 307.1(1), 415.9.2, 2113.11.1.2, 2113.15, 2702.2.6, 2801.1
<b>IMC-18</b>	<b>International Mechanical Code®</b> 101.4.2, 201.3, Table 307.1(1), 406.2.9, 406.6.2, 406.8.1, 406.8.4, 407.2.6, 409.3, 412.5.6, 414.1.2, 414.3, 415.9.1, 415.9.2, 415.9.3, 415.11.11, 416.2.3, 420.8, 420.9, 420.10.1, 421.4, 426.1.4, 427.2.2, 427.2.3, 428.4.7, 603.1, 603.1.1, 603.1.2, 712.1.6, 717.2.2, 717.5.3, 715.4, 715.5, 717.6.1, 717.6.2, 717.6.3, 718.5, 720.1, 720.7, 903.2.11.4, 904.2.2, 904.12, 907.3.1, 909.1, 909.10.2, 909.13.1, 910.4.7, 1006.2.2.3, 1011.16, 1020.5.1, 1202.1, 1202.2.2, 1202.4.3.2, 1202.5.2.1, 1202.6, 1208.3, 2702.2.5, 2801.1, 3111.2
<b>IPC-18</b>	<b>International Plumbing Code®</b> 101.4.3, 201.3, 415.9.3, 603.1.2, 718.5, 903.3.5, 1205.3.3, 1503.4, 1503.4.1, 1805.4.3, 2901.1, Table 2902.1, 3111.2, 3305.1
<b>IPMC-18</b>	<b>International Property Maintenance Code®</b> 101.4.4, 102.6, 102.6.2, 103.3, 2701.1, 2801.1
<b>IPSDC-8</b>	<b>International Private Sewage Disposal Code®</b> 101.4.3,

	2901.1
<b>IRC-18</b>	<b>International Residential Code®</b> 101.2, 102.6.1, 305.2.3, 308.2.4, 308.3.2, 308.5.4, 310.1, 310.4.1, 310.4.2, 2308.1
<b>ISPSC</b>	<b>International Swimming Pool and Spa Code</b> 3109.1
<b>IWUIC-18</b>	<b>International Wildland-Urban Interface Code™</b> Table 1505.1
<b>SBCCI SSTD 11-97</b>	<b>Test Standard for Determining Wind Resistance of Concrete or Clay Roof Tiles</b> 1504.2.1.1, 1504.2.1.2
<b>NFPA</b>	National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169-7471
<b>720 – 15</b>	<b>Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment</b> 915.5.1, 915.5.2, 915.4.1, 915.5.1, 915.5.2, 915.6, 915.7
<b>UL</b>	Underwriters Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062-2096
<b>2034 – 2008 <u>2017</u></b>	<b>Single- and Multiple-Station Carbon Monoxide Alarms -- with Revisions through March 2015</b> 915.4.2, 915.4.4
<b>2075 - 2013</b>	<b>Standard for Gas and Vapor Detectors and Sensors</b> 915.5.1, 915.5.3

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**39 HCD proposes NOT to adopt Appendix A from the 2018 International Building Code.**

**APPENDIX A  
EMPLOYEE QUALIFICATIONS**

The provisions contained in this appendix are not mandatory unless specifically adopted by a state agency, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**40 HCD proposes NOT to adopt Appendix B from the 2018 International Building Code.**

**APPENDIX B  
BOARD OF APPEALS**

The provisions contained in this appendix are not mandatory unless specifically adopted by a state agency, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**41 HCD proposes NOT to adopt Appendix C from the 2018 International Building Code.**

**APPENDIX C  
GROUP U – AGRICULTURAL BUILDINGS**

The provisions contained in this appendix are not mandatory unless specifically adopted by a state agency, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**42 HCD proposes NOT to adopt Appendix D from the 2018 International Building Code.**

**APPENDIX D  
FIRE DISTRICTS**

The provisions contained in this appendix are not mandatory unless specifically adopted by a state agency, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**43 HCD proposes NOT to adopt Appendix E from the 2018 International Building Code.**

**APPENDIX E  
SUPPLEMENTARY ACCESSIBILITY REQUIREMENTS *RESERVED***

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**44 HCD proposes NOT to adopt Appendix F from the 2018 International Building Code.**

**APPENDIX F  
RODENTPROOFING**

The provisions contained in this appendix are not mandatory unless specifically adopted by a state agency, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**45 HCD proposes NOT to adopt Appendix G from the 2018 International Building Code.**

**APPENDIX G  
FLOOD-RESISTANT CONSTRUCTION**

The provisions contained in this appendix are not mandatory unless specifically *adopted by a state agency*, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**46 HCD proposes NOT to adopt Appendix H from the 2018 International Building Code.**

**APPENDIX H  
SIGNS**

The provisions contained in this appendix are not mandatory unless specifically *adopted by a state agency*, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**47 HCD proposes to adopt Appendix I from the 2018 International Building Code into the 2019 California Building Code without amendments.**

**APPENDIX I  
PATIO COVERS**

The provisions contained in this appendix are not mandatory unless specifically *adopted by a state agency*, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**48 HCD proposes to adopt Appendix J from the 2018 International Building Code into the 2019 California Building Code with new amendment as follows:**

**APPENDIX J  
GRADING**

The provisions contained in this appendix are not mandatory unless specifically *adopted by a state agency*, or referenced in the adopting ordinance.



## SECTION J104 PERMIT APPLICATION AND SUBMITTALS

### **J104.1 Submittal requirements.** *(No change to existing California amendment)*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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### **49 HCD proposes NOT to adopt Appendix K from the 2018 International Building Code.**

## APPENDIX K ADMINISTRATIVE PROVISIONS

The provisions contained in this appendix are not mandatory unless specifically *adopted by a state agency*, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**50 HCD proposes NOT to adopt Appendix L from the 2018 International Building Code.**

**APPENDIX L  
EARTHQUAKE RECORDING INSTRUMENTATION**

The provisions contained in this appendix are not mandatory unless specifically *adopted by a state agency*, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**51 HCD proposes NOT to adopt Appendix M from the 2018 International Building Code.**

**APPENDIX M  
TSUNAMI-GENERATED FLOOD HAZARD**

The provisions contained in this appendix are not mandatory unless specifically *adopted by a state agency*, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**52 HCD proposes NOT to adopt Appendix N from the 2018 International Building Code.**

**APPENDIX N  
REPLICABLE BUILDINGS**

The provisions contained in this appendix are not mandatory unless specifically adopted by a state agency, or referenced in the adopting ordinance.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.

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**53 HCD proposes to adopt existing California Appendix O from the 2016 California Building Code.**

**Provision subject to change due to same sections undergoing public review as part of the 2016 CBC.**

**~~APPENDIX NO~~  
~~EMERGENCY HOUSING~~**

*The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.*

**~~SECTION NO101~~  
~~GENERAL~~**

**~~NO101.1 Scope.~~** *This appendix shall be applicable to emergency housing and emergency housing facilities, as defined in Section ~~NO~~102.*

**~~SECTION NO102~~  
~~DEFINITIONS~~**

**~~NO102.1 General.~~** *The following words and terms shall, for the purposes of this appendix, have the meanings shown herein. Refer to Chapter 2 of this code for general definitions.*

**DECLARATION OF SHELTER CRISIS.** *The duly proclaimed existence of a situation in which a significant number of persons are without the ability to obtain shelter, resulting in a threat to their health and safety. (See Government Code Section 8698)*

**DEPENDENT UNIT.** *Emergency housing not equipped with a kitchen area, toilet, and sewage disposal system. Recreational vehicles that are not self-contained and without utility service connections shall be considered dependent units.*

**EMERGENCY HOUSING.** *Housing in a permanent or temporary structure(s), occupied during a declaration of state of emergency, local emergency, or shelter crisis. Emergency housing may include, but is not limited to, buildings and structures constructed in accordance with the California Building Standards Code; and emergency sleeping cabins, emergency transportable housing units, and tents constructed and/or assembled in accordance with this appendix.*

**EMERGENCY HOUSING FACILITIES.** *On-site common use facilities supporting emergency housing. Emergency housing facilities include, but are not limited to, kitchen areas, toilets, showers and bathrooms with running water. The use of emergency housing facilities is limited exclusively to the occupants of the emergency housing, personnel involved in operating the housing, and other emergency personnel.*

**EMERGENCY HOUSING SITE.** *A site containing emergency housing and emergency housing facilities supporting the emergency housing.*

**EMERGENCY SLEEPING CABIN.** *Relocatable hard-sided structure constructed in accordance with this appendix, which may be occupied only for emergency housing if allowed by the authority having jurisdiction.*

**EMERGENCY TRANSPORTABLE HOUSING UNIT.** *A single or multiple section prefabricated structure that is transportable by a vehicle and that can be installed on a permanent or temporary site in response to a need for emergency housing. Emergency transportable housing unit include, but is not limited to, manufactured homes, mobilehomes, multifamily manufactured homes, recreational vehicles, and park trailers. For the purposes of this appendix, emergency transportable housing units do not include factory-built housing as defined in the Health and Safety Code Section 19971.*

**LANDING PLATFORM.** *A landing provided as the top step of a stairway accessing a loft.*

**LOCAL EMERGENCY.** *Local Emergency as defined in the Government Code, Section 8558.*

**LOFT.** *A floor level located more than 30 inches (762 mm) above the main floor and open to it on at least one side with a ceiling height of less than 6 feet 8 inches (2032 mm), used as a living or sleeping space.*

**MANUFACTURED HOME.** A structure designed to be used as a single-family dwelling, as defined in the Health and Safety Code, Section 18007.

**MOBILEHOME.** A structure designed to be used as a single-family dwelling, as defined in the Health and Safety Code, Section 18008.

**MULTIFAMILY MANUFACTURED HOME.** A structure designed to contain not less than two dwelling units, as defined in the Health and Safety Code, Section 18008.7.

**PARK TRAILER.** A trailer designed for human habitation that meets all requirements in the Health and Safety Code, Section 18009.3.

**RECREATIONAL VEHICLE.** A motor home, travel trailer, truck camper, or camping trailer, with or without motive power, designed for human habitation, that meets all requirements in the Health and Safety Code, Section 18010.

**STATE OF EMERGENCY.** State of Emergency as defined in the Government Code, Section 8558.

## **SECTION NQ103 EMERGENCY HOUSING**

**NQ103.1 General.** Emergency sleeping cabins, emergency transportable housing units, and tents constructed in accordance with this appendix, shall be occupied only during declaration of state of emergency, local emergency, or shelter crisis.

*Buildings and structures constructed in accordance with the California Building Standards Code, used as emergency housing, shall be permitted to be permanently occupied.*

**NQ103.2 Existing buildings.** Existing residential and nonresidential buildings or structures shall be permitted to be used as emergency housing and emergency housing facilities provided such buildings or structures comply with the building code provisions and/or other regulations in effect at the time of original construction and/or alteration. Existing buildings or structures used as emergency housing shall not become or continue to be substandard buildings, as determined by the Authority Having Jurisdiction.

**NQ103.2.1 New additions, alterations, and change of occupancy.** New additions, alterations, and change of occupancy to existing buildings shall comply with the requirements of the California Building Standards Code effective at the time of addition, alteration, or change of occupancy. The requirements shall apply only to and/or within the specific area of the addition, alteration, or change of occupancy.

**Exception:** Existing buildings and structures used for emergency housing and emergency housing facilities may not be required to comply with the California Energy Code, as determined by the Authority Having Jurisdiction.

**NQ103.3 Occupant load.** *Except otherwise stated in this appendix, the maximum occupant load allowed in buildings and structures used as emergency housing shall be determined by the Authority Having Jurisdiction, but the interior floor area shall not be less than 70 square feet (6.5 m<sup>2</sup>) for one occupant. Where more than one person occupies the building/structure, the required floor area shall be increased at the rate of 50 square feet (4.65 m<sup>2</sup>) for each occupant in excess of one.*

**Exceptions:**

1. Tents.
2. Recreational vehicles and park trailers designed for human habitation that meet the requirements in the Health and Safety Code, Sections 18009.3 and 18010, as applicable.

**NQ103.4 Fire and life safety requirements not addressed in this appendix.** *If not otherwise addressed in this appendix, fire and life safety measures, including, but not limited to, means of egress, fire separation, fire sprinklers, smoke alarms, and carbon monoxide alarms, shall be determined and enforced by the Authority Having Jurisdiction.*

**NQ103.5 Privacy.** *Emergency housing shall be provided with a privacy lock on each entrance door and all windows for use by the occupants.*

**NQ103.6 Heating.** *All sleeping areas shall be provided with adequate heating as determined by the Authority Having Jurisdiction.*

## **SECTION NQ104 EMERGENCY SLEEPING CABINS**

**NQ104.1 General.** *Emergency sleeping cabins shall have an interior floor area of not less than 70 square feet (6.5 m<sup>2</sup>) for one occupant. Where more than one person occupies the cabin, the required floor area shall be increased at the rate of 50 square feet (4.65 m<sup>2</sup>) for each occupant in excess of one. The interior floor area shall not exceed 400 square feet (37 m<sup>2</sup>), excluding lofts.*

**NQ104.2 Live loads.** *Emergency sleeping cabins shall be designed to resist intrusion of wind, rain, and to support the following live loads:*

1. Floor live loads not less than 40 pounds per square foot (1.92 kPa) of floor area.
2. Horizontal live loads not less than 15 pounds per square foot (718 Pa) of vertical wall and roof area.
3. Roof live loads not less than 20 pounds per square foot (958 Pa) of horizontal roof area
4. In areas where snow loads are greater than 20 pounds per square foot (958 Pa), the roof shall be designed and constructed to resist these additional loads.

**NO104.3 Minimum ceiling height.** Habitable space and hallways in emergency sleeping cabins shall have a ceiling height of not less than 80 inches (2032 mm). Bathrooms, toilet rooms, and kitchens, if provided, shall have a ceiling height of not less than 76 inches (1930 mm). Obstructions shall not extend below these minimum ceiling heights including beams, girders, ducts, lighting and other obstructions.

**Exception:** Ceiling heights in lofts constructed in accordance with Section NO108 are permitted to be less than 80 inches (2032 mm).

**NO104.4 Means of egress.** Emergency sleeping cabins shall be provided with at least two forms of egress placed remotely from each other. One form of egress may be an egress window complying with Section N Q104.4.1. When a loft is provided, one form of egress shall be an egress window complying with Section N Q104.4.1, provided in the loft space.

**NO104.4.1 Egress window.** The bottom of the clear opening of the egress window shall not be more than 44 inches (1118 mm) above the floor. The egress window shall have a minimum net clear opening height of 24 inches (610 mm), and a minimum net clear opening width of 20 inches (508 mm). The egress window shall have a minimum net clear opening area of 5 square feet (0.465 m<sup>2</sup>)

**NO104.5 Plumbing and gas service.** If an emergency sleeping cabin contains plumbing or gas service, it shall comply with all applicable requirements of the California Plumbing Code and the California Mechanical Code.

**NO104.6 Electrical.** Emergency sleeping cabins shall be provided with all of the following installed in compliance with the California Electrical Code:

1. Continuous source of electricity

**Exception:** The source of electricity may be solar power or emergency generator.

2. At least one interior lighting fixture.
3. Electrical heating equipment listed for residential use, and a dedicated receptacle outlet for the electrical heating equipment.
4. At least one GFCI-protected receptacle outlet for use by the occupant(s).

**NO104.7 Ventilation.** Emergency sleeping cabins shall be provided with means of ventilation (natural and/or mechanical) allowing for adequate air replacement, as determined by the Authority Having Jurisdiction.

**NQ104.8 Smoke alarms.** *Emergency sleeping cabins shall be provided with at least one smoke alarm installed in accordance with the California Residential Code, Section R314.*

**NQ104.9 Carbon Monoxide Alarms.** *If an emergency sleeping cabin contains a fuel-burning appliance(s) or a fireplace(s), a carbon monoxide alarm shall be installed in accordance with the California Residential Code, Section R315.*

## **SECTION NQ105 EMERGENCY TRANSPORTABLE HOUSING UNITS**

**NQ105.1 General.** *Manufactured homes, mobilehomes, multifamily manufactured homes, recreational vehicles, and park trailers used as emergency transportable housing, shall comply with all applicable requirements in the Health and Safety Code, Division 13, Part 2; and Title 25, Division 1, Chapter 3, Subchapter 2.*

## **SECTION NQ106 TENTS**

**NQ106.1 General.** *Tents shall not be used to house occupants for more than 7 days unless such tents are maintained with tight wooden floors raised at least 4 inches (101.6 mm) above the ground level and are equipped with baseboards on all sides to a height of at least 6 inches (152.4 mm). Tents may be maintained with concrete slabs with the finished surface at least 4 inches (101.6 mm) above grade and equipped with curbs on all sides at least 6 inches (152.4 mm) high.*

*A tent shall not be considered a suitable sleeping place when it is found necessary to provide heating facilities in order to maintain a minimum temperature of 50 degrees Fahrenheit (10 degrees Celsius) within such tent during the period of occupancy.*

## **SECTION NQ107 ACCESSIBILITY**

**NQ107.1 General.** *Emergency housing shall comply with the applicable requirements in Chapter 11B and/or the US Access Board Final Guidelines for Emergency Transportable Housing.*

**Note:** *The Architectural and Transportation Barriers Compliance Board (US Access Board) issued the Final Guidelines for Emergency Transportable Housing on May 7, 2014. The final guidelines amended the 2004 ADA Accessibility Guidelines (2004 ADAAG) and the 2004 Architectural Barriers Act (ABA) Accessibility Guidelines (2004 ABAAG) to specifically address emergency transportable housing units provided to disaster survivors by entities subject to the ADA or ABA. The final rule ensures that the emergency transportable housing units are readily accessible to and usable by disaster survivors with disabilities.*



## **SECTION NQ108**

### **LOFTS IN EMERGENCY HOUSING**

**NQ108.1 Minimum loft area and dimensions.** Lofts used as a sleeping or living space shall meet the minimum area and dimension requirements of Sections NQ108.1.1 through NQ108.1.3.

**NQ108.1.1 Minimum area.** Lofts shall have a floor area of not less than 35 square feet (3.25 m<sup>2</sup>).

**NQ108.1.2 Minimum dimensions.** Lofts shall be not less than 5 feet (1524 mm) in any horizontal dimension.

**NQ108.1.3 Height effect on loft area.** Portions of a loft with a sloping ceiling measuring less than 3 feet (914 mm) from the finished floor to the finished ceiling shall not be considered as contributing to the minimum required area for the loft.

**Exception:** Under gable roofs with a minimum slope of 6:12, portions of a loft with a sloping ceiling measuring less than 16 inches (406 mm) from the finished floor to the finished ceiling shall not be considered as contributing to the minimum required area for the loft.

**NQ108.2 Loft access.** The access to and primary egress from lofts shall be any type described in Sections NQ108.2.1 through NQ108.2.4.

**NQ108.2.1 Stairways.** Stairways accessing lofts shall comply with the California Residential Code or with Sections NQ 108.2.1.1 through NQ 108.2.1.6.

**NQ108.2.1.1 Width.** Stairways accessing a loft shall not be less than 17 inches (432 mm) in clear width at or above the handrail. The minimum width below the handrail shall be not less than 20 inches (508 mm).

**NQ108.2.1.2 Headroom.** The headroom in stairways accessing a loft shall be not less than 74 inches (1880 mm), as measured vertically, from a sloped line connecting the tread or landing platform nosings in the middle of their width.

**NQ108.2.1.3 Treads and risers.** Risers for stairs accessing a loft shall be not less than 7 inches (178 mm) and not more than 12 inches (305 mm) in height. Tread depth and riser height shall be calculated in accordance with one of the following formulas:

1. The tread depth shall be 20 inches (508 mm) minus 4/3 of the riser height,  
or
2. The riser height shall be 15 inches (381 mm) minus 3/4 of the tread depth.

**NO108.2.1.4 Landing platforms.** The top step of stairways accessing lofts shall be constructed as a landing platform where the loft ceiling height is less than 74 inches (1880 mm). The landing platform shall be 18 inches (457 mm) to 22 inches (559 mm) in depth measured from the nosing of the landing platform to the edge of the loft, and 16 inches (406 mm) to 18 inches (457 mm) in height measured from the landing platform to the loft floor.

**NO108.2.1.5 Handrails.** Handrails shall comply with the California Residential Code, Section R311.7.8.

**NO108.2.1.6 Stairway guards.** Guards at open sides of stairways shall comply with the California Residential Code, Section R312.1.

**NO108.2.2 Ladders.** Ladders accessing lofts shall comply with Sections NO 108.2.1 and NO 108.2.2.

**NO108.2.2.1 Size and capacity.** Ladders accessing lofts shall have a rung width of not less than 12 inches (305 mm), and 10 inches (254 mm) to 14 inches (356 mm) spacing between rungs. Ladders shall be capable of supporting a 200 pound (90.7 kg) load on any rung. Rung spacing shall be uniform within 3/8-inch (9.5 mm).

**NO108.2.2.2 Incline.** Ladders shall be installed at 70 to 80 degrees from horizontal.

**NO108.2.3 Alternating tread devices.** Alternating tread devices are acceptable as allowed by the Authority Having Jurisdiction.

**NO108.2.4 Loft Guards.** Loft guards shall be located along the open side of lofts. Loft guards shall not be less than 36 inches (914 mm) in height or one-half of the clear height to the ceiling, whichever is less. Loft guards shall not have openings from the walking surface to the required guard height that allow passage of a sphere 4 inches (102 mm) in diameter.

## **SECTION NO109 LOCATION, MAINTENANCE AND IDENTIFICATION**

**NO109.1 Maintenance.** Emergency housing and emergency housing facilities shall be maintained in a safe and sanitary condition, and free from vermin, vectors and other matter of an infectious or contagious nature. The grounds within emergency housing sites shall be kept clean and free from accumulation of debris, filth, garbage and deleterious matter. Emergency housing and emergency housing facilities shall not be occupied if a substandard conditions exist, as determined by the Authority Having Jurisdiction.

**NO109.1.1 Fire Hazards.** Dangerous materials or materials that create a fire hazard, as determined by the Authority Having Jurisdiction, shall not be allowed on the grounds within emergency housing sites.

**NO109.3 Identification.** Emergency housing shall be designated by address numbers, letters, or other suitable means of identification. The identification shall be in a conspicuous location facing the street or driveway fronting the building or structure. Each identification character shall be not less than 4 inches (102 mm) in height and not less than 0.5 inch (12.7 mm) in width, installed/painted on a contrasting background.

## **SECTION NO110 EMERGENCY HOUSING FACILITIES**

**NO110.1 Drinking Water.** Potable drinking water shall be provided for all occupants of emergency housing.

**NO110.2 Kitchens.** Where occupants of dependent units are permitted or required to cook for themselves, a separate area shall be equipped and maintained as a common use kitchen. Refrigerated storage shall be provided for safe storage of food.

**NO110.3 Toilet and bathing facilities.** When dependent units are used as emergency housing, the emergency housing site shall be provided with one toilet and one bathing facility for every 15 occupants of each gender. The Authority Having Jurisdiction may permit different types and ratios of toilet and bathing facilities. The approval shall be based upon a finding that the type and ratio of toilet and bathing facilities are sufficient to process the anticipated volume of sewage and waste water, while maintaining sanitary conditions for the occupants of the emergency housing.

Bathing facilities shall be provided with heating equipment which shall be capable of maintaining a temperature of 70 degrees F (21.0 degrees Celsius) within such facilities.

Lavatories with running water shall be installed and maintained in the toilet facilities or adjacent to the toilet facilities.

**NO110.4 Garbage, waste and rubbish disposal.** All garbage, kitchen waste and rubbish shall be deposited in approved covered receptacles, which shall be emptied when filled and the contents shall be disposed of in a sanitary manner acceptable to the Authority Having Jurisdiction.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.5, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17922.14, 17927, 17928, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; Civil Code Sections 1101.4 and 1101.5; and Government Code Sections 12955.1 and 12955.1.1.